

Senate Bill 5, Machado,
Flood Management
Section 50465, Health and Safety Code
Building Code Standards

Central Valley Flood Protection Board
Progress Report
July 18, 2008





Purpose of Presentation

- Provide Information on Code Adoption Process
- Provide Progress Report
- Obtain CVFPB Feedback

Senate Bill 5 Requirements



SEC 7. Section 50465 is added to the Health and Safety Code, to read:

50465. (a) On or before January 1, 2009, the Department of Water Resources shall propose for adoption and approval by the California Building Standards Commission updated requirements to the California Building Standards Code for construction in areas protected by the facilities of the Central Valley Flood Protection Plan where flood levels are anticipated to exceed three feet for the 200-year flood event. The amendments to the California Building Standards Code shall be sufficient to reduce the risk of flood damage and protect life, safety, and the construction in those areas.

(b) Before the department proposes the amendments to the California Building Standards Code required pursuant to subdivision (a), the department shall consult with the Central Valley Flood Protection Board, the Division of the State Architect, and the Office of the State Fire Marshal.



Process of Code Change

- **Conduct Stakeholder Workshops**
- **Prepare Code Change Package**
- **Submit Recommended Improvements by January 1, 2009 to Meet SB5 Deadline**
- **Participate in Next Building Code Adoption Cycle Process (Begins July 2009 or later)**
 - **Hearings by Code Advisory Committee (2 months)**
 - **45-Day Comment Period with the Public-at-Large/Response (Couple of Months), and**
 - **Hearings by the California Building Standards Commission and Approval (6 Months to 1 Year).**

Approximately 18 months from submittal to effective date

Meeting Project Milestones



- **March 2008**
 - Coordination/Research Process: Division of State Architect (DSA) and Coordinating Council (CC)
- **June 2008**
 - Initial Recommendations
 - Coordination/Team: RCQuinn, National Non-Structural Floodproofing Committee (NFPC), California Building Industry Association (CBIA), PBS&J, and Coordinating Council
 - Legal Consultation
 - Project Implementation Plan
- **July 2008**
 - Recommend Code Improvements
 - Initiate White Paper Development
 - Establish Technical Advisory Committee (TAC)
 - Brief CVFPB
- **August 2008**
 - White Paper Updates
 - Coordinating Council, TAC
- **September 2008**
 - TAC
 - White Paper Refinement
- **October 2008**
 - Stakeholder Outreach
 - Coordinating Council
- **November 2008**
 - DWR Review and Approval
- **December 2008**
 - Finalize Code Improvements
 - Outreach
- **January 2009**
 - Submit Code Improvements (SB5)
 - Refine Outreach and Examples
 - Economics
- **July 2009**
 - Final Recommendation Package

Agency Partnerships



- Central Valley Flood Protection Board
- Division of State Architect
- California Building Industry Association
- Building Standards Commission
- Coordinating Council (8 State Agencies)
 - California Building Standards Commission, Chair
 - Housing & Community Development
 - Office of State Fire Marshal
 - Division of the State Architect (for DGS)
 - Office of Statewide Health Planning & Development
 - State Energy Resources Conservation & Development Commission
 - Industrial Relations
 - Health Services
- TAC - Building Officials, Architects, State Agencies and Other Stakeholders



Code Constraints

- **No Land Use or Zoning**
- **Preliminary Findings**

Examples

- **Smoke Detector Versus Fire Extinguisher**
- **Roof Hatch and Green Building Standards**
- **Building Codes Have 2 Sections:
Mandatory Requirements and
Appendices (Voluntary)**

White Paper Development



- History
- Potential Property Damage and Risk to Public Safety Due To Flooding
 - Modern Day Examples
 - Current Assessment
- Current Legislative Framework for Flood Management
- Legislative Requirements to Reduce Flooding Impacts Pursuant To Building Code
- Existing Code Measures
- Brainstorming of All Recommended Code Improvements and Evaluation
- Code Considerations and Constraints
- Recommend Final Code Improvements

Project Management Plan



Building Codes for Construction within Floodplain Program Implementation Plan

Version 1

June 2008

Prepared by:





Building Code Team

- Ricardo Pineda, Program Manager
- Maria Lorenzo-Lee, Project Manager
- Brian Walker, Staff Engineer
- Steve Cowdin, Economist
- Rebecca Quinn, Building Code Specialist
- Larry Buss, Floodproofing Specialist (COE)
- Gary Yagade, Consulting Engineer
- Ann Redington, Consulting Engineer

**Initial Estimate = \$250,000 Technical Assistance Funds
(General Fund, not Propositions 1E or 84 Bond Funds)**

Key Messages



- **Draft Project Plan Developed to Meet Legislative Deadline**
- **Project Team with National Code and Technical Experts**
- **Consultation with Central Valley Flood Protection Board and Staff**
- **Roll Out Plan to be Developed**
- **National Example for Protecting Public Safety**



Obtain CVFPB Feedback

- Elevate or Floodproof?
- Where Do the Codes Apply?
 - State Plan of Flood Control for CV
 - Urban/Urbanizing Areas Outside SPFCV and in CV?
- Questions?